Development of nanoparticles based on hydrophilic polymers.

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Abstract of **ES 2098188 (A1)**

Development of nanoparticles based on hydrophilic polymers. The nanoparticles (of nanometre size and hydrophilic character), also called nanospheres or latexes, are colloidal systems formed by the combination of two polymers of a hydrophilic nature. The polymers are chitosan (an aminopolysaccharide) and poloxamer (a copolymer of ethylene oxide and propylene oxide). The procedure for obtaining them takes place in the aqueous phase without the need to use organic solvents or auxiliary substances of a toxic nature. The nanoparticles have applications as pharmaceutical forms (for in vivo administration of active ingredients) owing to their ability to retain drugs and proteins inside themselves.